20020126.qrp v02_n447.qrl.20020126

Date: Sat, 26 Jan 2002 19:03:06 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2447

QRP-L Digest 2447

Topics covered in this issue include:

  1) [118317] LEARNING CW-If you are easily offended:don't read, delete!
     by "Alan Kaul" <alan.kaul@worldnet.att.net>
  2) [118318] Are FDIM ROOMS AVBL?
     by "Alan Kaul" <alan.kaul@worldnet.att.net>
  3) [118319] FS 38 Special
     by PDouglas12@aol.com
  4) [118320] Re: LEARNING CW-If you are easily offended:don't read, delete!
     by Garie Halstead <k8kfj@ntelos.net>
  5) [118321] Re: LEARNING CW-If you are easily offended:don't read, delete!
     by "George, W5YR" <w5yr@att.net>
  6) [118322] Re: Fox: big fun!
     by Ken Wagner <kewagner@ids.net>
  7) [118323] K1 Operating techniques
     by Donn Kuse <casey.jay@gte.net>
  8) [118324] Re: Morse code and cheap screwdriver antenna
     by "Cal Kutemeier" <ckuter@ix.netcom.com>
  9) [118325] SMT Keyer Kit
     by wb0wao@hotmail.com (Dennis Ponsness)
 10) [118326] Re: Morse code and cheap screwdriver antenna
     by kb1dxc <kb1dxc@discovernet.net>
 11) [118327] Looking for an old piece of gear
     by "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
 12) [118328] OFS: OHR500 and DD-1 Freq Counter
     by Tim and Nancy Logan <cyr999@extremezone.com>
 13) [118329] Re: WARNING!!!!!!!!
     by Arthur Moe <kb7ww@easystreet.com>
 14) [118330] Ten Tec 405 Amp..being RETROFitted NEW RF BOARD
     by ve3ab@mail.mondenet.com
 15) [118331] QRP rigs for sale
     by Goemans <jgoemans@facstaff.wisc.edu>
 16) [118332] RF Survey Meter-USERS
     by David Shalita <davidr@cnmnetwork.com>
 17) [118333] Re: WARNING!!!!!!!!
     by bob evinger <wd9eka@arrl.net>
 18) [118334] MP3 Maybe? was(Morse code and cheap screwdriver antenna)
     by "Dave Richards" <wr3i@earthlink.net>
 19) [118335] Anyone Using the Alpha Delta Sloper?

by "K5XU, Mike Duke" <k5xu@netdoor.com>
20) [118336] Re: Morse code and cheap screwdriver antenna
by Bob Nielsen <nielsen@oz.net>
21) [118337] Toroid cores
by MITCHELLRI@aol.com
22) [118338] Re: LEARNING CW
by "K7FD N7SG" <k7fd@hotmail.com>
23) [118339] Reversal of seriesed alkaline cells
by "Stuart Rohre" <rohre@arlut.utexas.edu>
24) [118340] Re: Anyone Using the Alpha Delta Sloper?
by Fred Lesnick <flesnick@tbaytel.net>
25) [118341] Re: Toroid cores
by wb0wao@hotmail.com (Dennis Ponsness)
26) [118342] Re: Toroid cores
by "Lee Mairs" <lmairs@cox.rr.com>
27) [118343] screwdriver antenna, learning CW
by "Stuart Rohre" <rohre@arlut.utexas.edu>
28) [118344] Re: Toroid cores
by "Pastor-KC1DI" <elbc@pivot.net>
29) [118345] VXO design
by n4so@juno.com
30) [118346] Re: PC Board Cutting
by "John A. Evans - N0HJ" <jaevans@codenet.net>
31) [118347] Re: LEARNING CW-If you are easily offended:don't read, delete!
by Dave Sjolin <sjolin@swbell.net>
32) [118348] QRP Swap Meet Display?
by ARDUJENSKI@aol.com
33) [118349] Re: Fair Market Value of "The Milliwatt" -- $123.50 about right!
by "Adrian Weiss" <aweiss@usd.edu>
34) [118350] Re: 2002 QRP DXCC Totals
by "Adrian Weiss" <aweiss@usd.edu>
35) [118351] Wanted: TenTec 205 ATU, 405 Amp
by "Adrian Weiss" <aweiss@usd.edu>
36) [118352] Re: WARNING!!!!!!!!
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
37) [118353] Re: LEARNING CW-If you are easily offended:don't read, delete!
by Steve - K8PZ <k8pz@earthlink.net>
38) [118354] Re: WARNING!!!!!!!!
by Arthur Moe <kb7ww@easystreet.com>
39) [118355] Re: Ten Tec 405 Amp..being RETROFitted NEW RF BOARD
by ve3ab@mail.mondenet.com
40) [118356] Thanks for Toriod help
by MITCHELLRI@aol.com
41) [118357] Antenna connectors and switches
by "Karl F. Larsen" <k5di@zianet.com>
42) [118358] Re: [NJQRP] Looking for an old piece of gear
by W2AGN <w2agn@pobox.com>
43) [118359] Power supply for K2

by n4so@juno.com
44) [118360] Re: [NJQRP] Looking for an old piece of gear
by baltimoremd@baltimoremd.com
45) [118361] SSB project
by "Bill Meara" <n2cqr@clix.pt>
46) [118362] Re: SSB project
by Steve <n4ey@arrl.net>
47) [118363] Re: Anyone Using the Alpha Delta Sloper?
by ve3ab@mail.mondenet.com
48) [118364] RE: Looking for an old piece of gear
by Nick Kennedy <nkennedy@tcainternet.com>
49) [118365] RE: SSB project
by "AI2Q Alex" <ai2q@adelphia.net>
50) [118366] Qrp Trancievers for sale
by Gsdavis7070@cs.com
51) [118367] Need antenna info
by IamSF5@aol.com
52) [118368] Re; Need antenna Info
by <jfox6@houston.rr.com>
53) [118369] Re: SSB project
by "Bill Meara" <n2cqr@clix.pt>
54) [118370] Hamvention URL?
by W2AGN <w2agn@pobox.com>
55) [118371] All-band (80-15M) antenna Info
by KKANALZ@prodigy.net
56) [118372] CQ WW 160m contest, QRP
by "Bob Tellefsen" <n6wg@earthlink.net>
57) [118373] Re: Power supply for K2
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
58) [118374] Re: Hamvention URL?
by "Rod N0RC" <rod@n0rc.com>
59) [118375] K1 knob mfg?
by "Rod N0RC" <rod@n0rc.com>
60) [118376] OT:CAD Software
by Brad Mitchell <n8yg@yahoo.com>
61) [118377] Re: Morse code and cheap screwdriver antenna
by "James R. Duffey" <jamesd1@flash.net>
62) [118378] Re: Re; Need antenna Info
by IamSF5@aol.com
63) [118379] Re: Need antenna info
by "James R. Duffey" <jamesd1@flash.net>
64) [118380] CQ 160 Contest Tonight
by Paul Womble <pwomble1@tampabay.rr.com>
65) [118381] Re: Morse code and cheap screwdriver antenna
by "David Castor" <dpcastor@attbi.com>
66) [118382] Harbor Freight 12" Shear/Brake
by "Kevin M." <adverseyaw@twmi.rr.com>

Date: Fri, 25 Jan 2002 16:04:50 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: <w5yr@att.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118317] LEARNING CW-If you are easily offended:don't read, delete!
Message-ID: <002801c1a5fd$142a25e0$af25cd18@charterpipeline.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One of the things that made the code easier for me was to associate mnemonics ---- something to remind me of the sound. The military apparently used this technique TO TEACH cw, but I learned it in the 60's from a shop teacher who had been a WW2 radio op.

To this day, when I hear the letter D (for example) -- I do not hear, dah-di-di, I hear DOG-did-it. DOG=D, etc.

I cannot remember all of the mnemonics. And some of the alphabet sounds have become "politically incorrect." But one letter I do remember is Q. Q (dah-dah-di-dah) stands for QUEEN, who has (and sounds to me like) NO-BALLS-at-ALL.

I'm sure some of the people reading this list might have learned to "hear" the code in a similar manner.

If any are offended, I apologize--but I did put a warning in the subject line.

72/73 de ALAN

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
http://home.att.net/~alan.kaul/index.html

Date: Fri, 25 Jan 2002 16:06:35 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118318] Are FDIM ROOMS AVBL?
Message-ID: <002b01c1a5fd52350580af25cd18@charterpipeline.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"

Content-Transfer-Encoding: 7bit

A FRIEND ASKS IF THERE ARE ANY ROOMS AVBL WED-THRU SAT NIGHT? Or if the QRP hotel has been overbooked???

Please and thanks, 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
http://home.att.net/~alan.kaul/index.html

Date: Fri, 25 Jan 2002 19:14:17 EST
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [118319] FS 38 Special
Message-ID: <86.158ba96e.29834ed9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Gang,
Shack cleaning continues...
I have a 38 Special with the five watt mod and the TICK 1 keyer, in a Chuck Adams case. I had added the original RIT, but, as many found, that RIT mod was poorly conceived and caused severe chirp; I removed it. So, this is a working 38 Special which needs a front panel (I have only a paper one, done for layout purposes--it is tolerable ugly, held on with masking tape.) I never got around to making up the better RIT circuit that was published for this rig (I have the documentation.) Someone who wants to finish it up would have a decent rig for 30 Meters, with a built-in keyer. Indeed, it functions fine as is for casual 30 meter operation; I've checked it and it is working very well. I had an offer for the rig, but I suspect the prospective buyer didn't want to do the finishing touches that would make this a fun addition to any shack. If I don't sell it, I figure I'll cobble up the RIT circuit and make a computer label for the front panel, and keep it. So, anyone interested in a very inexpensive, working transceiver for 30 meters, at $50, postpaid?

I took a couple of .jpg snaps of the rig (which scared away the first buyer!) which show both the clean internal works and the ugly front panel. If you want the rig, I'll send you the photos.

72,

Preston WJ2V

Date: Sat, 26 Jan 2002 00:15:35 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Alan Kaul <alan.kaul@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118320] Re: LEARNING CW-If you are easily offended:don't read, delete!
Message-ID: <3C51AED7.F7CA2B4A@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Friday, 25 January 2002, Alan Kaul wrote:

> To this day, when I hear the letter D (for example) -- I do not hear,
> dah-di-di,
> I hear DOG-did-it. DOG=D, etc.
>
> I cannot remember all of the mnemonics

X = cry baby cry
Q = payday today

The list goes on and on. You're correct Alan, learning the various
sound patterns is what it's all about.

72 //Gary *K8KFJ*

Date: Fri, 25 Jan 2002 18:19:03 -0600
From: "George, W5YR" <w5yr@att.net>
To: Alan Kaul <alan.kaul@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118321] Re: LEARNING CW-If you are easily offended:don't read, delete!
Message-ID: <3C51F5F7.C2F4313B@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alan, I started teaching code this way in 1951 to Air Force cadets at
Greenville AFB. I received special dispensation to abandon the AF syllabus
and "do it my way."
I have since learned that this approach became the standard method.

I had previously experimented with it at Perrin AFB in 1949 and found it to
be very effective, even with a class started "the other way."

72/73/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Alan Kaul wrote:
>
> One of the things that made the code easier for me was to associate
> mnemonics ---- something to remind me of the sound. The military apparently
> used this technique TO TEACH cw, but I learned it in the 60's from a shop
> teacher who had been a WW2 radio op.
>
> To this day, when I hear the letter D (for example) -- I do not hear, dah-di-di,
> I hear DOG-did-it. DOG=D, etc.
>
> I cannot remember all of the mnemonics. And some of the alphabet sounds have
> become "politically incorrect." But one letter I do remember is Q. Q
> (dah-dah-di-dah) stands for QUEEN, who has (and sounds to me like)
> NO-BALLS-at-ALL.
>
> I'm sure some of the people reading this list might have learned to "hear" the
> code in a similar manner.
>
> If any are offended, I apologize--but I did put a warning in the subject line.
>
> 72/73 de ALAN
>
> Alan Kaul, W6RCL, LaCanada, CA
> w6rcl@amsat.org
> http://home.att.net/~alan.kaul/index.html

--

Date: Fri, 25 Jan 2002 19:35:32 -0500
From: Ken Wagner <kewagner@ids.net>
To: talljazz@teleport.com,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118322] Re: Fox: big fun!
Message-ID: <4.3.2.7.2.20020125192934.00a9cef0@pop3.ids.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:33 PM 1/25/02, Dan Presley wrote:
>The funniest part was my slow brain not getting K3IU's state correctly-he
>was sending 'RI', and it took a few tries for it to compute-I kept saying
>to myself, "RI?-RI? what state is that??", until I snapped out of
>it-'Rhode Island' :) Don't catch many of them way out west.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Hi Dan:
I'm REALLY delighted that the neurons finally clicked. I missed you
completely the first time you were a fox, but could hear you fairly well
last evening. You did a great job and I'm glad I was able to work you.
73, Ken, K3IU
K2 #920 & dipole

Date: Fri, 25 Jan 2002 19:36:04 -0500
From: Donn Kuse <casey.jay@gte.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
        elecraft@mailman.qth.net
Subject: [118323] K1 Operating techniques
Message-ID: <3C51F9F3.419442FB@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I guess I used the wrong term when I asked for K1 Reviews. What I was
looking for is how to get the most out of the K1 and especially its
operating functions/techniques and the operation of the rig itself.
I've heard from a few that took it camping a lot. What about mobile
operation?
Tnx.
72/73 Donn, WB4ZWT
66 and still learning

Date: Fri, 25 Jan 2002 18:40:34 -0600
From: "Cal Kutemeier" <ckuter@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [118324] Re: Morse code and cheap screwdriver antenna
Message-ID: <000501c1a602$38f043a0$98293a41@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You have received a lot of good advice so far. One extra piece of advice would be to have a "warm up" period prior to your studying the various letters and numbers. I would recommend using Morse Academy (freeware?) or some other code generator and listen to high speed code at 30 to 40 wpm. No, you will probably not understand what is being sent. This "warm up" is to train your ears and brain to distinguish between dits and dahs and spaces between words. After this "warm up", reduce the wpm speed to 5 (to pass the test and get on HF). At 5 wpm, you may fall asleep after listening "hard" to the 30 to 40 wpm.

Have fun and I hope to work you on HF !!

Cal
N9KO

Date: Fri, 25 Jan 2002 19:56:21 -0500 (EST)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: qrp-l@Lehigh.EDU
Subject: [118325] SMT Keyer Kit
Message-ID: <1425-3C51FEB5-853@storefull-2155.public.lawson.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Group....
Got my SMT Practice kit today and I was impressed! Fantastic job Steve. Lots of fun to build and I did learn a LOT. Gonna have to get a nice case for it and get it on the air. I learned the following:

1. Don't build SMT stuff if you have a cold or hay fever. In other words DONT SNEEZE!

2. You need a real small tip on the iron.

3. A magnifier of some type is a must.

4. It isn't as hard as I thought it would be!

Now rumor has it that NorCal will be coming out with a SMT kit sometime soon. Before I built this kit, I might have been wondering if I could build it, but now I think I could do it.

72 es oo

Dennis - WB0WAO

Date: Fri, 25 Jan 2002 19:57:44 -0500
From: kb1dxc <kb1dxc@discovernet.net>
To: Schunn99@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [118326] Re: Morse code and cheap screwdriver antenna
Message-ID: <a05100300b877ac983e16@[216.221.137.159]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Scott,

I am pretty sure that you now have the drift about learning CW. I had the problem of learning the incorrect way. It seems that nobody at all in my club would admit to actually being able to send or copy code, and most of them are Extra Class from when you needed to pass 20 wpm. They all just learned it to pass the test and never used it again. What a shame. Anyways, I am gradually learning the sounds, but I have been working at it for about 2 years to overcome the counting and visuallizing periods and dashes on a piece of paper. Please take the advice about learning by ear and learn fast CW right off. Forget about learning 5 wpm, it will definately hold you back from enjoying CW.

Now, the real reason I am responding is about the antenna issue. When you mentioned the screw driver, I had the distinct feeling that you were thinking of listening while in a vehicle. Well, the wire works while in a vehicle also. I keep a QRP rig in my car and I do not have any decent HF antenna. I have a jeep with a roof rack and all I did was wrap insulated wire around the roof rack and bring it into the rig. Now, this is as unfancy as an antenna can get. I don't try to transmit with it but I can just about always pick up some CW on 20 meters. I have even had luck picking up CW while under a parking garage. The advice to save your $ for a car makes sense to me, wire is real cheap and very affective, so put out some wire and start listening to the fast CW and the best of luck with it. Hey, if you can make Eagle scout, you will have no trouble with CW.

Mike,
KB1DXC

Date: Fri, 25 Jan 2002 20:18:18 -0500
From: "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
To: QRP-l <qrp-l@Lehigh.EDU>
Subject: [118327] Looking for an old piece of gear
Message-ID: <5.1.0.14.0.20020125201016.00a0dec0@mail.tjarey.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I know I'm stretching the bounderies of propriety here but I am turning to
the best sources of Ham Radio information I know. I'd like to find an AMECO
AC-1 transmitter to keep my old Hallicrafters Model S-38 company. If any
one in the group might know where I might find one please send me an
e-mail. I think this classic station would look great sitting next to my K1
& K2. (It would probably be almost as much fun to operate too...I said
almost!!!)

++

    T.J. "SKIP" AREY N2EI

    Specialization is for insects!   LAZARUS LONG

Date: Fri, 25 Jan 2002 18:17:38 -0700
From: Tim and Nancy Logan <cyr999@extremezone.com>
To: qrp-l@Lehigh.EDU
Subject: [118328] OFS: OHR500 and DD-1 Freq Counter
Message-ID: <3C5203B2.D10E9F98@extremezone.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OHR 500 and DD-1 freq counter in mint condition. One owner/builder. $400
plus shipping. Email me direct if you have questions as I get the QRP-L
in digest form. Thanks, Tim

Date: Sat, 26 Jan 2002 01:27:11 +0000
From: Arthur Moe <kb7ww@easystreet.com>
To: qrp <qrp-l@Lehigh.EDU>
Subject: [118329] Re: WARNING!!!!!!!!
Message-ID: <3C5205EF.1F8A1AF8@easystreet.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,

HEAD DAVE'S WORDS !!!!!!!!!!!!!!!!!!!!!!

IN SHOP TERMS THIS IS CALLED LOADING UP A WHEEL... In the shop where I work doing this is a terminating offense. Also we have large disk grinders (18 and 24 inch) some for steel and some for Aluminum. If you grind steel on one that is for aluminum you can go down the road also. Aluminum grinding dust will burn, just ask the guy that spent a week at home with no pay. The fire got hot enough to warp the table and the disk before the fire was extinguished. A new master disk and a trip to the surface grinder for the table returned the grinder to service. I should explain that these disks use a thin paper based disk with GRIT on one side and adhesive on the other and are stuck to the master disk. Yes, even the janitor who was supposed to keep the insides clean, got a talking to. There are still people at the company that remember about 25 years ago when a fire got going in Titanium chips. Even though the building has been repainted every 5 years you can sill see where some boards 35 feet over head were scorched. It takes the Fire Department about 3 minutes to get to our door. They test them selves twice a year to make sure.

Drills, end mills and boring bars will also load up with the same results. Usually some cutting oil will keep this from happening.

All the words are to try to make YOU aware that metal working can be DANGEROUS.... There are several people on this list that have worked or are working in one of the metal trades. So if you have a question ASK!!!!! one of us will help.

Art
KB7WW
About to be unemployed (RETIRED). Yes, I still have all my fingers but some of them have some good scars, after over 35 years of building things.

David Gilson wrote:
>
> Hello to all.
>
> My name is Dave and I was looking through the QRPp FALL 2001 Volume IX
> No.3 Page 8. MP-1 GROUND STAKE MOUNT. In reviewing this article I notice

> that the author made mention of using a bench grinder to make a point on
> one end of a (1/2" SOLID ALUMINUM ROD). THIS MY FRIENDS IS A NO NO.
> NEVER NEVER PUT ALUMINUM TO A BENCH GRINDER, FOR TWO REASONS. THE FIRST
> BEING THAT THE GRINDING WHEEL WILL BE RUIN, AND SECONDLY THE WHEEL MAY
> BLOW UP IN YOUR FACE BECAUSE THE ALUMINUM WILL CLOG ALL OF THE WHEELS
> POURS AND WILL PREVENT THE HEAT FROM ESCAPING AND CAUSING THE WHEEL TO
> EXPLODE. IF IT DOESN'T SPARK WHEN TOUCHED TO A GRINDING WHEEL THEN DON'T
> GRIND IT.
>
>
>
> 73's de Dave KD3EM
>
> QRP ARCI 8126
> FISTS 8460

Date: Fri, 25 Jan 2002 20:28:18 +0000
From: ve3ab@mail.mondenet.com
To: Qrp-l@Lehigh.edu
Subject: [118330] Ten Tec 405 Amp..being RETROFitted NEW RF BOARD
Message-ID: <200201260135.g0Q1ZQ711061@genesis.dmz.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Historical Note: My final transistors of 405 amp were blown.
Tnx to all those who gave me suggestions on obaining transistors..Im
still considering those options..but for now..Im beginning
construction in earnest of a new RF board for the TT 405 Amp.
The old board will be set aside until I stumble upon some real
great bargain transistors!!- Im being a cheapskate!!
The New RF board is slightly larger and uses IRF511 Pwr Mosfets..N
channel as per the most recent ARRL Handbook article/QST. I meant to
build one of these amps before ..so I have all the parts gathered
together including the ferrites. The original Amp switching, Pwr
meter circuit and Low Pass Filters will all remain the same. I will
have to build a pwr supply 24 v..I have a good transformer and parts
ready. I will use a bunch of diodes in series to get 12 for all the
original circuitry of the 405 Amp. Im adding a few design mods
myself..mostly in how the board is laid out. Im also adding a small
12vdc fan and special heatsinks..Ill post my results. Project should
be ready in a couple of weeks just poking away at it..73 Earl VE3AB

Date: Fri, 25 Jan 2002 20:00:55 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@lehigh.edu
Subject: [118331] QRP rigs for sale
Message-ID: <3.0.2.32.20020125200055.006ea654@facstaff.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi guys,
  Still too many rigs, I have some really nice ones to sell!

1. Red Hot Radio NorCal 20. The original red anodized case, updated with the Tick-4 keyer chip. The Tick-4 has 2 memories, beacon mode, etc. Output over 5 watts if cranked up. With docs. $140 shipped in conUS.

2. Small Wonder Labs Green Mountain-30. Superhet rx, varactor tuned with a nicely marked vernier dial. Covers whole 30 mtr band. RIT, 4-pole crystal IF filter. In a deluxe steel Ten Tec case. Output about 2 1/2 watts. A special feature of this rig, it is signed personally by Dave Benson inside! With docs. $100 shipped in conUS.

3. Oak Hills Research Explorer II for 40 mtrs. Superhet rx, 4 pole Cohn (variable bandwidth) crystal IF filter, RIT. Covers lower 70 khz of band but can be moved up if desired. Output about 3 watts. with docs. $80 shipped in conUS.

72, Paul WA9PWP

Paul Goemans WA9PWP
Stoughton, WI 53589
all email checked by NAV2002

Date: Fri, 25 Jan 2002 18:01:49 -0800
From: David Shalita <davidr@cnmnetwork.com>
To: "qrp-l \\"Low Power Amateur Radio Discussion\\"" <qrp-l@lehigh.edu>
Cc: Rich Littlefield <K1BQT@aol.com>, "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Subject: [118332] RF Survey Meter-USERS
Message-ID: <3C520E0D.6BDFD4E3@cnmnetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I am trying to locate sources of RFI from my computers that
desense my HAM gear.

To help me with my Noisy computers,
I built the RF Survey Meter, QST August 2000, authored by Rich
Littlefield K1BQT and Ed Hare W1RFI using the FAR pcboard.

Meter works as expected as a Field strength meter.
I have some questions about how other USERS find the unit operates
when an external current probe is attached.

I'll be glad to share my experiences if there is interest. I do
not want to consume excess bandwidth.

Direct replies to me are welcome.

Thank you, 73, W6MIK, Dave

Date: Fri, 25 Jan 2002 20:16:04 -0600
From: bob evinger <wd9eka@arrl.net>
To: kb7ww@easystreet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118333] Re: WARNING!!!!!!!!
Message-ID: <3C521164.6070107@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Thank you,
I probably knew all this at one time. But I dont have occasion to do
machining to often and forgotten. I have been known to knock the burrs
off a bar of 6061 aluminum with my grinder when making airplane parts. I
wont be doing that anymore, I'll get the file out, I had forgotten.

  73
    bob

Arthur Moe wrote:

> All,
>
> HEAD DAVE'S WORDS !!!!!!!!!!!!!!!!!!!!!!
>
> IN SHOP TERMS THIS IS CALLED LOADING UP A WHEEL... In the shop where
> I work doing this is a terminating offense. Also we have large disk

> grinders (18 and 24 inch) some for steel and some for Aluminum. If you
> grind steel on one that is for aluminum you can go down the road also.
> Aluminum grinding dust will burn, just ask the guy that spent a week
> at home with no pay. The fire got hot enough to warp the table and
> the disk before the fire was extinguished. A new master disk and a trip
> to the surface grinder for the table returned the grinder to service.
> I should explain that these disks use a thin paper based disk with GRIT
> on one side and adhesive on the other and are stuck to the master disk.
> Yes, even the janitor who was supposed to keep the insides clean, got a
> talking to. There are still people at the company that remember about
> 25 years ago when a fire got going in Titanium chips. Even though the
> building has been repainted every 5 years you can sill see where some
> boards 35 feet over head were scorched. It takes the Fire Department
> about 3 minutes to get to our door. They test them selves twice a year
> to make sure.
>
> Drills, end mills and boring bars will also load up with the same results.
> Usually some cutting oil will keep this from happening.
>
> All the words are to try to make YOU aware that metal working can be
> DANGEROUS.... There are several people on this list that have worked
> or are working in one of the metal trades. So if you have a question
> ASK!!!!! one of us will help.
>
> Art
> KB7WW
> About to be unemployed (RETIRED). Yes, I still have all my fingers but
> some of them have some good scars, after over 35 years of building things.
>
>
>
> David Gilson wrote:
>
>>Hello to all.
>>
>>My name is Dave and I was looking through the QRPp FALL 2001 Volume IX
>>No.3 Page 8. MP-1 GROUND STAKE MOUNT. In reviewing this article I notice
>>that the author made mention of using a bench grinder to make a point on
>>one end of a (1/2" SOLID ALUMINUM ROD). THIS MY FRIENDS IS A NO NO.
>>NEVER NEVER PUT ALUMINUM TO A BENCH GRINDER, FOR TWO REASONS. THE FIRST
>>BEING THAT THE GRINDING WHEEL WILL BE RUIN, AND SECONDLY THE WHEEL MAY
>>BLOW UP IN YOUR FACE BECAUSE THE ALUMINUM WILL CLOG ALL OF THE WHEELS
>>POURS AND WILL PREVENT THE HEAT FROM ESCAPING AND CAUSING THE WHEEL TO
>>EXPLODE. IF IT DOESN'T SPARK WHEN TOUCHED TO A GRINDING WHEEL THEN DON'T
>>GRIND IT.
>>
>>
>>

>>73's de Dave KD3EM
>>
>>QRP ARCI 8126
>>FISTS 8460
>>
>
>
>

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

Date: Fri, 25 Jan 2002 21:31:13 -0500
From: "Dave Richards" <wr3i@earthlink.net>
To: <ckuter@ix.netcom.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118334] MP3 Maybe? was(Morse code and cheap screwdriver antenna)
Message-ID: <00eb01c1a611$c5c10260$aa8afc40@sony>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Net,
    I have been thinking of way to brush up my CW speed and as I have a sony
Clie' mp3 player I have tried down loading the CW test messages fro ARRL
they play very well on my PC but when I load them into the mp3 player they
wont work. is there more than one kind of mp3?
any input would be welcome
72
Dave W1QB

Date: Fri, 25 Jan 2002 20:59:21 -0600
From: "K5XU, Mike Duke" <k5xu@netdoor.com>
To: <qrp-l@lehigh.edu>
Subject: [118335] Anyone Using the Alpha Delta Sloper?
Message-ID: <007001c1a615$859d7f20$6dd594d0@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

As part of my upcoming antenna maintanence, I'm considering the Alpha Delta
sloper for 160, 80, and 40 meters. I know that it's really small for 160,
but it will be the easiest way for me to have some coverage there without
giving up 80 and 40.

I'd like to hear the pros and cons from anyone who has ever used this
antenna, especially at qrp levels.

Mike Duke, K5XU, President
American Council of Blind Radio Amateurs

Date: Fri, 25 Jan 2002 19:03:36 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Schunn99@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118336] Re: Morse code and cheap screwdriver antenna
Message-ID: <20020126030336.GA16286@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Hi Scott,

The ARRL web site has some tips for learning the code plus links to
other good pages at http://www.arrl.org/ead/learncw/

73, Bob N7XY

On Fri, Jan 25, 2002 at 03:32:11PM -0500, Schunn99@aol.com wrote:
> Hi,
> I got two questions: the first one is concerning morse code and the second
> portable antennas.
> I currently hold a tech. license no code.I am 15. Any tips or hints about
> learning morse code?
> I am a very visual learner and I have tryed listening to code but I canot
> seem to reconize the sound and then matching the sound with it's letter very
> easily. I am with troop 19 out of Charlotte, NC and I want to start listening
> to hf while on camp outs the problem is I want a screwdriver antenna but I
> can't find one thats cheaper than $150. Any suggestions?
>

> 73
> Scott Hunnicutt
> KG4OQU
> Eagle Scout

--
Bob Nielsen, N7XY nielsen@oz.net
Bainbridge Island, WA http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S

Date: Fri, 25 Jan 2002 22:05:18 EST
From: MITCHELLRI@aol.com
To: <qrp-l@lehigh.edu>
Subject: [118337] Toroid cores
Message-ID: <12b.b39511e.298376ee@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I keep running across neat projects for qrp antenna tuners/swr indicators, etc. Although seemingly easy (even for me) to make, I need a source for toroid cores in low volumes, or perhaps a kit of popular sizes. Can anyone help on this? Radio Shack has been tried, as has my local (RI) electronics emporium, Jabbours Electronics. The core for my BLT tuner is now in the Miracle Whip antenna. Thanks.

WA1GJF
Leeds Mitchell
QRP addicted

Date: Fri, 25 Jan 2002 19:07:55 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [118338] Re: LEARNING CW
Message-ID: <F28jR9KTQm06jYZuBwK000095e0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I'll never hear the letter Q the same again! Gee, thanks for sharing... ;)

73 John K7FD

>From: "Alan Kaul" <alan.kaul@worldnet.att.net>

>I cannot remember all of the mnemonics. And some of the alphabet sounds
>have
>become "politically incorrect." But one letter I do remember is Q. Q
>(dah-dah-di-dah) stands for QUEEN, who has (and sounds to me like)
>NO-BALLS-at-ALL.

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

Date: Fri, 25 Jan 2002 21:19:13 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <aa3ur@home.com>
Cc: "Mike Yetsko" <myetsko@insydesw.com>, <qrp-l@Lehigh.EDU>
Subject: [118339] Reversal of seriesed alkaline cells
Message-ID: <00ff01c1a618$3ab74600$4e100a0a@rohredt2000>

After many years of using alkaline cells in HTs, projects, penlights, etc.
I just saw this in one cell of a 4 cell holder for an old transistor
portable radio.

These were good quality industrial cells, so guess it happens since three of
us have seen it. I would imagine my cells were a year plus old.

72,
Stuart K5KVH

Date: Fri, 25 Jan 2002 22:22:40 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: k5xu@netdoor.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118340] Re: Anyone Using the Alpha Delta Sloper?
Message-ID: <3C522100.AC1DB016@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike:
 I just put up the DX-B for a friend of mine who lives in the city and
has a small lot.He was running a G5RV and wanted an antenna that was at
least resonant on the bands that he uses, mostly 80 and 40 meters. He is

also a white caner, and cant see what the radio is tuning, and wanted to be sure that the radio would not get hurt.
ANYWAY: Put the DX-B up on his tower at the 25 foot mark, ran the coax, put on the MFJ analyser, and 160 had a 1.5 swr, 40 meters was 1.2, 30 meters also 1.2 swr, then there was 80, an SWR to blow the roof off, what we had to do was run a counter poise, so ran a wire from the bracket down the tower and under the snow(at least till spring when we can bury it), the wire was 62 feet long, checked the SWR and 80 meters was now at a 1.5 SWR. All the other bands also stayed the same. He has ran it, and got good reports so far on 80 and 40. I wanted to go with the DX-A , but the G5RV just fit his lot, so that put that out to the wayside.
Hope this helps.

Fred
VE3FAL

"K5XU, Mike Duke" wrote:
>
> As part of my upcoming antenna maintanence, I'm considering the Alpha Delta
> sloper for 160, 80, and 40 meters. I know that it's really small for 160,
> but it will be the easiest way for me to have some coverage there without
> giving up 80 and 40.
>
> I'd like to hear the pros and cons from anyone who has ever used this
> antenna, especially at qrp levels.
>
> Mike Duke, K5XU, President
> American Council of Blind Radio Amateurs

Date: Fri, 25 Jan 2002 22:37:03 -0500 (EST)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: MITCHELLRI@aol.com
Cc: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [118341] Re: Toroid cores
Message-ID: <7298-3C52245F-1411@storefull-2158.public.lawson.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Try www.kitsandparts.com It is run by W8DIZ and he has a lot of 'em.
He is the Toroid King!

72 es oo

Dennis - WB0WAO

Date: Fri, 25 Jan 2002 22:50:32 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: <MITCHELLRI@aol.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [118342] Re: Toroid cores
Message-ID: <008901c1a61c$9b332540$6501a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There are a ton of good sources - the best of them being fellow list junkies. I've had great experiences buying toroids from Diz www.kitsandparts.com, Electronic Goldmine http://sales.goldmine-elec.com/Catlist.asp, and Dan's Small Parts http://www.fix.net/dans.html.   Diz is the toroid king, but Dan sells in smaller quantities. YMMV.
73 de Lee
km4yy

There is a level of cowardice lower than that of the conformist: the fashionable non-conformist.
  --Ayn Rand

----- Original Message -----
From: <MITCHELLRI@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, January 25, 2002 10:05 PM
Subject: Toroid cores

> I keep running across neat projects for qrp antenna tuners/swr indicators, etc. Although seemingly easy (even for me) to make, I need a source for toroid cores in low volumes, or perhaps a kit of popular sizes. Can anyone help on this? Radio Shack has been tried, as has my local (RI) electronics emporium, Jabbours Electronics. The core for my BLT tuner is now in the Miracle Whip antenna.
> Thanks.
>
> WA1GJF
> Leeds Mitchell
> QRP addicted

Date: Fri, 25 Jan 2002 21:50:13 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <Schunn99@aol.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [118343] screwdriver antenna, learning CW
Message-ID: <011001c1a61c$8f5d5c40$4e100a0a@rohredt2000>

Hi,
I would say if you are just listening (to CW), you don't need an elaborate commercial Screwdriver antenna. You can use interchangeable coils for mobile whips at much less cost second hand from a ham swap, or even better, wind your own antenna for listening. On a four foot mast of PVC, fiber glass, or wood dowel, wind some hookup wire, say 32 feet if you can, into a helical coil. Use epoxy to hold the start and finish turns in place, and coat the other turns to make them trail hardy. A clear finish that is thick like some fence coatings might be fine. There is also a liquid vinyl for coating tool handles, but this might be too expensive in the quantity needed to coat a four foot antenna. At the base end, just attach the wire to the center of a coax connector, and the shield of the connector can be used as a point to attach some short radials to improve reception. Try some 16 foot ones, a couple, and if you can elevate them above earth, they will work better than laying in the grass. Tent stakes make a good short elevation support with a one foot dowel attached to it. Figure out before you start winding how many turns per foot the wire you think you will use will take up. If the total suggested will not fit, you need smaller gauge insulated wire. Don't worry if you are off some small amount, this is a listening antenna, and can work with many sizes of conductor.

Now learning CW is like any other aural art, such as learning to play a musical instrument. You must practice until you can associate the sound of the character with the character in your mind. Do not use the crutch of a look up list, as your posting sounds like you have been taught.

Here is a method that works very well for learning code if you have a computer to send you some code practice in this form: (This is the Koch method). Send the letter sound for E and have the computer print E after each sound. After some repetition of that have the computer send you at say 15 wpm, random characters you do not yet know, interspersed with the Letter E. After you copy all the E's every time, move to the letter I, and repeat the same way, and combine E and I with other random characters. Then move on to S, and repeat all of the prior steps. Next H, then the figure 5. Do you see what we are doing, we are learning the short combinations individually and together. After that start with T, then M, then O. Once you get the simple characters, you can add in the more complex ones.

Finally, you progress to all the letters, numbers and simple CW punctuation. Once that is being copied mostly correctly add in the prosigns and prowords, AR, SK, CQ, and so on. This will avoid the plateau those of us who only memorized the alphabet A to Z encountered by single letter memorization, and in hearing the code too slow. It should be sent to you by the Farnsworth method, the characters at a very fast speed with some extension of the spacing between to have an average of 15/20 wpm or whatever your goal in speed might be.

If you want more info on either topic, I suggest you use Google.com search engine, and use "helical antennas" as a key word for searching more about them, and for code, "Koch Method Morse Code", or "CW" or various combinations about radiotelegraph code.

One other note, the helical I am describing is close wound right on top of a dowel or fiberglass rod, not the VHF/UHF helical antenna invented by John Kraus. The helical I described usually starts with a quarter wave at the band of interest of wire (to wind), and goes back to early radio. Enameled copper magnet wire will work, if Radio Shack carries that much on a roll. Magnet wire like that is sold by the pound or fraction of pound, so you have to look up in a Wire Table to find how many feet are in a pound.

Let me know if you have any question on what I have said,
72,
Stuart K5KVH VERY Good Luck and welcome to RADIO, I started at 15 ALSO!

Date: Fri, 25 Jan 2002 22:36:27 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <MITCHELLRI@aol.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118344] Re: Toroid cores
Message-ID: <000f01c1a61a$a41cdcc0$74aaba42@dor>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here are a couple of Places that will ship cores a low rates and without minimum order.
http://www.bytemark.com/amidon/content0.htm
http://www.kitsandparts.com/toroids.html
there are of Course others but I've found these to be good sources.
hope This Helps (I'm not connected to either of these companies in any way)
73/72 Dave KC1DI

----- Original Message -----
From: <MITCHELLRI@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, January 25, 2002 10:05 PM
Subject: Toroid cores

> I keep running across neat projects for qrp antenna tuners/swr indicators, etc. Although seemingly easy (even for me) to make, I need a source for toroid cores in low volumes, or perhaps a kit of popular sizes. Can anyone help on this? Radio Shack has been tried, as has my local (RI) electronics emporium, Jabbours Electronics. The core for my BLT tuner is now in the Miracle Whip antenna.
> Thanks.
>
> WA1GJF
> Leeds Mitchell
> QRP addicted
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.317 / Virus Database: 176 - Release Date: 1/21/02

Date: Fri, 25 Jan 2002 18:32:02 -0600
From: n4so@juno.com
To: qrp-l@lehigh.edu
Subject: [118345] VXO design
Message-ID: <20020125.220114.10782.6.N4SO@juno.com>

Basic theory and a circuit- ARRL Handbook 1996 page 14.27
Circuit is taken from Wes Hayward, W7ZOI and Doug DeMaw W1FB, Solid State Design for the Radio Amateur. Most ARRL handbooks a paragraph or two on basic theory of the VXO. ARRL Handbook 1994 is quite
different than 1996.
Compare with actual circuits in "The SST: A Simple Superhet Transceiver for 40/30/20M by N6KR, page 36-44, from QRPp magazine Spring 1997.

Ken Brown-N4SO
Mobile, AL EM50tk

NorCal-20 at 5 watts/4 ele. yagi
Keylite Kit keyer

_____
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http://dl.www.juno.com/get/web/.

Date: Fri, 25 Jan 2002 06:51:12 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118346] Re: PC Board Cutting
Message-ID: <3C5162D0.3D1B9C67@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dan et al.,

  I have found that the angle obtained by the full stroke of the brake is a function of 1) the thickness of the aluminum and 2) the adjustment of the depth of the stroke. The adjustment can be difficult as there are many fingers that make up the brake and they all have to be adjusted the same. One trick is to actually use a wide and narrow strip of aluminum laying on the trough and the varying position of the stroke (does this make sense) to position and then lock all the fingers.

  If the angle you are getting now is too acute (less than 90 degrees), you might try not going the full stroke. If the angle is obtuse (greater than 90 degrees), you might try inserting some scrap aluminum strip in the trough, laying on one angled edge of the trough on one side of the metal you have bent. I find that if I don't quite get my 90 degree angle, I can insert a strip of aluminum and bend it more towards 90 degrees.

  Also, a little trick I learned to prevent those trough marks on the case is to insert an appropriate size piece of cereal or kleenex box in the trough prior to bending. The pasteboard should take the brunt of the damage leaving the case barely marked - experiment with different types of pasteboard when doing this to see which holds up the best under the pressure.

  Hope this helps. It sure would be nice to pay back Dan for all he has contributed to the hobby.

72 - john - n0hj

Dan Tayloe wrote:

The "brake" part of the thing doesn't work real well....
It is difficult to get a 90 degree bend. It tends to
give something less than this.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Fri, 25 Jan 2002 23:54:20 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118347] Re: LEARNING CW-If you are easily offended:don't read, delete!
Message-ID: <3C52448C.C76648C2@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Alan Kaul wrote:
>
> One of the things that made the code easier for me was to associate
> mnemonics ---- something to remind me of the sound. The military apparently
> used this technique TO TEACH cw, but I learned it in the 60's from a shop
> teacher who had been a WW2 radio op.

I almost mentioned mnemonics earlier today. A friend of my dads told me
about learning the code this way when he was in the Army. He told me
about the letter L

L = the HELL with it

Didnt know any of the other characters so I didnt mention it. Works
though. Ive never messed up L like I do S and H.

73 de Dave, N0IT

Date: Sat, 26 Jan 2002 00:34:03 EST
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU

Subject: [118348] QRP Swap Meet Display?
Message-ID: <90.2051a7f1.298399cb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

We have a swap meet coming up in about 6 weeks and are going to have a display booth along with some fellas manning the booth to ragchew a bit.Well this is probably a time-worn topic but I was wondering if those of you who have set up QRP displays at swap meets for informational/educational purposes would share with me what in particular may have drawn the most comments and interest.

I did check the ARRL site and did not see any displays available there. Sure we can lay a rew rigs on the table but I really wnat to do a bit more than that. Regards and thanks for the bandwidth. If you have any pictures or websites with photos of your displays I would appreciate it

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Sat, 26 Jan 2002 08:10:32 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [118349] Re: Fair Market Value of "The Milliwatt" -- $123.50 about right!
Message-ID: <GQJ7YO02.GOO@mail.usd.edu>

Hi all:

I came across the following post:

> The complete set ot the "Milliwatt" (all 33 issues) went for $123.50 on
> e-bay. The information is available on CD for $20. Go figure....

Brings back the memories of laboriously typing out every letter/number in those 33 issues! And there were not a few pages which had to be re-typed because I left out a sentence or something else! In those days, when you screwed up, there was no DELETE key and no COPY/PASTE options.

It was a labor of love that I like to think launched the QRP movement worldwide. We ended publication w. over 800 subscribers in 40 countries.

As George noted, you can get the whole pile for $20 on CD, but don't expect the modern glossy hi-quality job you find in the fantastic QRP QUARTERLY!

$123.50? Look at it this way. Back in 1603, you could pick up a copy
of HAMLET fresh off the press for 6-pence! If you need to ask "how much
does one cost" today, you can't afford one!

Oh well -- I'm sure some nitpicker will chime in w. "HAMLET ... MILLIWATT???"
But think about it -- give THE MILLIWATT 400 years to age and guess what
you'll have to pay then! :)

Just havin' fun. I think it's great that someone thinks all that effort is worth
that much a quarter century later!

72, Ade

Date: Sat, 26 Jan 2002 08:21:12 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [118350] Re: 2002 QRP DXCC Totals
Message-ID: <GQJ8GF01.PMV@mail.usd.edu>

Hi gang:

I missed Diz's post and links (but heard him calling CQ DX on 30m
tonight).

Though I might as well get into the fun of reporting. I'm only operating
30m and not too many good nights here in SD, so only:

C6, LZ, LY, TM, OZ, NP3, V51, V31, PY, ZS, LZ0A (Antartica), OH,
PJ5, ZF2, FM5, HA, TI5, NH7, GW, HA, S51, OH0, F.

The "missed"? ugh! VP8, S92...

2001 was a little better.

I worked about 550 DX QSO's on 30m in 119 countries. Not bad for
dipoles and 1.8-4.2 watts. Did around 65 countries on 40m during
contests.

I've been checking the spots on 17, 15, 12m and boy is there
a lot of juicy stuff for the pickin! Maybe I'll have to get out my
other band modules....

72, Ade

Date: Sat, 26 Jan 2002 08:40:38 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [118351] Wanted: TenTec 205 ATU, 405 Amp
Message-ID: <GQJ9CU00.6PC@mail.usd.edu>

Hi gang:

I'm posting for a friend of a friend. He's looking for a TenTec 405 amp
(the one that was paired with the argo) and a TT 205 ant tuner.

If you have either and want to sell, please contact:

Ken. M Law W7HNF
PO Box 344
Moriarity, NM 87035

Tnx.

72, Ade

Date: Sat, 26 Jan 2002 04:33:48 -0500
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
        kb7ww@easystreet.com
Subject: [118352] Re: WARNING!!!!!!!!
Message-ID: <3C5231AC.24678.2DC5ED@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

On 26 Jan 2002, at 1:27, Arthur Moe wrote:
Maybe someone needs to post something on the ABC's of metal
working. Anyone have a good reference?

Henry
>
> All,
>
> HEAD DAVE'S WORDS !!!!!!!!!!!!!!!!!!!!!!

Date: Sat, 26 Jan 2002 05:46:06 -0500
From: Steve - K8PZ <k8pz@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [118353] Re: LEARNING CW-If you are easily offended:don't read, delete!
Message-ID: <3C5288EE.3080304@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Just as Alan said but I learned it in the 60's from a TV repair shop
owner who had been a WW2 radio op. A couple I remember:

F = in the GARden
Xray = ONly the BONES

Steve   ..   k8pz

Dave Sjolin wrote:

> Alan Kaul wrote:
>
>>One of the things that made the code easier for me was to associate
>>mnemonics ---- something to remind me of the sound. The military apparently
>>used this technique TO TEACH cw, but I learned it in the 60's from a shop
>>teacher who had been a WW2 radio op.
>>
>
> I almost mentioned mnemonics earlier today. A friend of my dads told me
> about learning the code this way when he was in the Army. He told me
> about the letter L
>
> L = the HELL with it
>
> Didnt know any of the other characters so I didnt mention it. Works
> though. Ive never messed up L like I do S and H.
>
> 73 de Dave, N0IT
>
>

Date: Sat, 26 Jan 2002 12:13:00 +0000

From: Arthur Moe <kb7ww@easystreet.com>
To: henryf@quartz.gly.fsu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118354] Re: WARNING!!!!!!!!
Message-ID: <3C529D4C.B271DFC9@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Henry and all,

I plan on becoming unemployed (retired) about mid year. I have thought for
a long time that some basic metal working information should be on the
web and I plan on doing some web pages on this subject.

Art

Henry Freedenberg wrote:
>
> On 26 Jan 2002, at 1:27, Arthur Moe wrote:
> Maybe someone needs to post something on the ABC's of metal
> working. Anyone have a good reference?
>
> Henry
> >
> > All,
> >
> > HEAD DAVE'S WORDS !!!!!!!!!!!!!!!!!!!!!!

Date: Sat, 26 Jan 2002 07:28:04 +0000
From: ve3ab@mail.mondenet.com
To: Brien Pepperdine <pepperb@gov.on.ca>
Cc: Qrp-l@lehigh.edu
Subject: [118355] Re: Ten Tec 405 Amp..being RETROFitted NEW RF BOARD
Message-ID: <200201261235.g0QCZ8721726@genesis.dmz.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Ok Brian..you brought up an interesting point. SWR!! Modern rigs have
some sort of limiting feedback which will cut down the power thus
preventing damage to the transistors. I dont know about power fets..
Ill have to research it. " I suspect they may be resilient..ill find
out more and pass it on to you. The 405 does have alot of room.
What Im going to do is a non destructive mod..easily reversable

..with no holes drilled. The top of the 405 will be removed and set aside and be replaced with double sided cct board..perhaps with a ventilating hole for a small cooling fan. I will epoxy standoffs down from it on which to mount the new cct board. I will custom make connectors for the rg174 coax runs..so that i can plug and play various boards or whatever. And that will be about it! The new cct board is being laid out physically now. The fets have each their own heatsink(my plan is to eliminate some capacitance to ground by not mounting them on a large grounded heatsink (thus the cooling fan may also be required). All the other circuitry of the 405 remains..ie low pass filters and rf switching etc. The author of the article claims at least 50 wattts out on all bands ..and he even got 70 watts out on 10 MHZ! -- I would like to run 70 watts on all bands (when the going gets tough!!!) Thats QRO to me!--73 Earl VE3AB

Date: Sat, 26 Jan 2002 08:01:55 EST
From: MITCHELLRI@aol.com
To: <qrp-l@lehigh.edu>
Subject: [118356] Thanks for Toriod help
Message-ID: <bc.2085b0a2.298402c4@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I want to thank all of you who pointed me in the right direction for cores.
Another great example of why this is the place to be for QRP info and support.
BTW, the TT-II is back up and running on 7040, pushing out a whopping .875 watts!
The next project is to find and build a simple matching receiver, like the MX 40, or the Herring.
Let's see, if the Tuna 2 used IC's, could I have fish and chips?

Leeds Mitchell
WA1GJF

Date: Sat, 26 Jan 2002 06:31:08 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [118357] Antenna connectors and switches
Message-ID: <Pine.LNX.4.33.0201260617330.1616-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's an odd setup but it works fine. I have a MFJ-941C antenna

tuner that will accept 2 coax and one balanced wire input. That is exactly what I need. The High Gain TH6DXX beam takes one coax input, the 40 meter Butternut vertical takes the other coax input and the 80 meter center fed zepp is on the balanced input.

I can switch to any antenna with a rotory switch on the back panel, the exact worst place to have it. But it works.

The output of the tuner goes to a very good single pole 6 throw coax switch from Dowkey of years ago. With this I now switch from the Kenwood TS-50 to the Yaseu FT-817. In awhile it will also switch to the 2N2-40 radio I'm building.

I'm looking forward to comparing the quality of filters between all three radios. The TS-50 has a 9 MHz crystal filter. The 2N2 has a 4 pole 4 MHz cw filter. The FT-817 has a Collins Mechanical Filter at 455 KHz.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.zianet.com/k5di/

Date: Sat, 26 Jan 2002 09:08:50 -0500
From: W2AGN <w2agn@pobox.com>
To: njqrp@njqrp.org, "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>,
QRP-l <qrp-l@Lehigh.EDU>
Subject: [118358] Re: [NJQRP] Looking for an old piece of gear
Message-ID: <02012609085003.04070@CC2289974-A>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Friday 25 January 2002 20:18, T.J. \"Skip\" Arey N2EI wrote:
> I know I'm stretching the bounderies of propriety here but I am turning to
> the best sources of Ham Radio information I know. I'd like to find an AMECO
> AC-1 transmitter to keep my old Hallicrafters Model S-38 company. If any
> one in the group might know where I might find one please send me an
> e-mail. I think this classic station would look great sitting next to my K1
> & K2. (It would probably be almost as much fun to operate too...I said
> almost!!!)

Skip,

Watch eBay. Search under "Ameco"

I guess everyone is getting nostalgic. I have a Hallicrafters Ht18/S-53A pair
I am setting up as a glowbug QRP station, and just bought an old Meissner
Signal Shifter EX to go with my old Hallicrafters S-20R receiver.

      John L Sielke   W2AGN
       w2agn@pobox.com
   http://www.qsl.net/w2agn
        Trustee: W3IYQ

Date: Fri, 25 Jan 2002 23:05:43 -0600
From: n4so@juno.com
To: qrp-l@lehigh.edu
Subject: [118359] Power supply for K2
Message-ID: <20020126.082704.10798.4.N4SO@juno.com>

saved in C:\prog.\juno\pcr12-1.txt

This is not exactly cheap, but I like the idea of a battery charger/power
supply and built one for my Elecraft K1 and NorCal 20.

Pulsed Charge Regulator

This has been tested and I have one in use for a NorCal 20
at this time. It will power any of the low power qrp rigs.
There is no RFI to speak of from the charging pulse.

"The PCR12-500A is a self contained charger designed to auto-
matically maintain a 12 volt Sealed Lead Acid battery having
a maximum bulk charge of 500 mA or greater. The Power Sonic
PS-1229A is an example of the type of battery this charger
is designed to work with."
Ref: Bob Lewis, AA4PB, An Automatic Sealed Lead-Acid Battery
Charger, QST May 2001, p. 43-47.

"The advantage of the PCR12-500A over most other automatic chargers
is that it can reliably work under varying load conditions and
can therefore be left connected to the battery at all times.
The typical 2-state or 3-state automatic charger (ever those with
the Unitrode UC3906 chip) can become locked in the bulk charge mode

by the load. This may result in overcharging of the battery, a
gradual loss of water in the electrolyte and a corresponding shortened
service life. The PCR12-500A avoids this "lock-up" condition by
continuously monitoring battery voltage and adjusting the charge
pulse width and duty cycle to supply only the amount of average
current needed to maintain the battery in a fully charged condition."

A PC board is available from FAR CIRCUITS, no longer available
from Bob Lewis.

Tech. help is available from the author and designer.
rlewis@staff.net
Total cost of parts runs about $100 from Digi-Key.
I have built the charger and use it to power an Elecraft K1
and the NorCal 20.

Ken Brown-N4SO
Mobile, AL EM50tk
NorCal-20 at 5 watts/4 ele. yagi
Keylite Kit keyer

____
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http://dl.www.juno.com/get/web/.

Date: Sat, 26 Jan 2002 09:48:26 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: W2AGN <w2agn@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118360] Re: [NJQRP] Looking for an old piece of gear
Message-ID: <20020126094639.D7888-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 26 Jan 2002, W2AGN wrote:

> Watch eBay. Search under "Ameco"
>
> I guess everyone is getting nostalgic. I have a Hallicrafters Ht18/S-53A pair

I think the last HT-18 I saw on ebay went for around 125 bucks....I was
going to try and setup what I had at one time(ht-18 and s-38), but I'm too
cheap to do it (g).

thom

baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/ Baltimore's Home Page
http://www.baltimorehon.com/ Home of the Baltimore Lexicon
http://www.zerobeat.net Home of The QRP Web Ring
and Drake Mail List Pages

Date: Sat, 26 Jan 2002 14:27:59 -0200
From: "Bill Meara" <n2cqr@clix.pt>
To: <qrp-l@lehigh.edu>
Subject: [118361] SSB project
Message-ID: <000d01c1a686$6c487180$1ede17c3@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was thinking that QRP-L could use a dose of tech talk. I thought you guys would like to hear about my current project, a homebrew SSB rig for 17 meters.

Most of the design is from SPRAT (Nr 48) by Frank Lee, G3YCC (now a Silent Key). Solid State. Manhattan style construction. Junk box parts. My version generates the SSB at 5.173 Mhz. I had an old set of crystals from the filter and carrier oscillator in a Swan
240. The balanced modulator uses two diodes. After the filter there are two stages of amplification then the signal goes to an NE-602 mixer. The oscillator here is outboard to the NE-602. I upconvert to the operating frequency.

That's how far I've gotten at this point. Once I get the TX going, I might go ahead and make this rig a transceiver.
I have plenty of room, because I'm building this thing on the chassis of an old DX-40. I'll also use the front panel and cabinet from the old Heath.

73 de Bill CU2JL (aka N2CQR)
Sao Miguel Island
The Azores, Portugal
37.7 N 25.6 W
http://planeta.clix.pt/n2cqr

Date: Sat, 26 Jan 2002 10:52:18 -0500
From: Steve <n4ey@arrl.net>
To: n2cqr@clix.pt
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118362] Re: SSB project
Message-ID: <3C52D0B2.7EF6AE02@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,

Thanks for sharing this. I'm building a 20M ssb/cw XCVR on
an old Hallicrafters chassis using the crystal filter and
the VFO L-C network but using an FET oscillator. Make do
with what's available! Not for backpacking but comfortable
for those of us with large hands!
73 de Steve N4EY

Bill Meara wrote:
>
> I was thinking that QRP-L could use a dose of tech talk. I thought you
> guys would like to hear about my current project, a homebrew SSB rig for 17
> meters.

snip
> I had an old set of crystals from
> the filter and carrier oscillator in a Swan
> 240. The balanced modulator uses two diodes.

snip

> I have plenty of room, because I'm building this thing on the chassis of an
> old DX-40. I'll also use the front panel and cabinet from the old Heath.
>
> 73 de   Bill CU2JL (aka N2CQR)
> Sao Miguel Island
> The Azores, Portugal
> 37.7 N 25.6 W
> http://planeta.clix.pt/n2cqr

Date: Sat, 26 Jan 2002 10:53:02 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@lehigh.edu
Subject: [118363] Re: Anyone Using the Alpha Delta Sloper?

Message-ID: <200201261600.g0QG05702531@genesis.dmz.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I think the Alpha Delta DX-A 160 through 40 is a good way for a city dweller to get on 160. Mine broke during an ice storm..but I put up the remains as a 160 coil loaded sloper. I actually measured the 160 loading coil with my autek RF1 analyst..It was 120 u-henries if memory serves me correct. Id get 5x7 and some 5x9 reports on 160 using 100 watts. and with qrp 5 w i got 579 and one 589 with the fellow commenting that i must have a pretty good antenna!
The nice part about it is..you can always take the wire away at its end point near the ground and just walk it back to the tower and "sort of fold it away" during periods when you dont want it as visible etc (I dont like too many wires in the air at once).
I never got the 40 meter part working very well myself. The 80 meter ditto. A counter balancing wire coiuld be used perhaps to get the thing to work...half slopers can be difficult to get working but with the 160 part of the antenna..It seemed to be easy to get going..
73 earl VE3AB

Date: Sat, 26 Jan 2002 10:05:30 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'tjarey@tjarey.com'" <tjarey@tjarey.com>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118364] RE: Looking for an old piece of gear
Message-ID: <01C1A650.FCA8CD00.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

The AC-1 is kinda legendary for bringing in high prices on the used market.
 If you haven't already seen it, be sure to check out all the AC-1 stoies and pictures at http://www.qsl.net/wb1gfh/ameco.html . This guy W1GFH is also quite the artist and storyteller too. If you don't find one for less than an arm and a leg, maybe you'll want to build your own. There's a schematic and parts list on that page also.

Yep, every ham geezer needs a classic station to fire up when the mood hits. I've got my Drake 2B, VF-1 and HT-40 (or DX-35) for this purpose.

72--Nick, WA5BDU

-----Original Message-----
From: T.J. "Skip" Arey N2EI [SMTP:tjarey@tjarey.com]

I know I'm stretching the bounderies of propriety here but I am turning to the best sources of Ham Radio information I know. I'd like to find an AMECO AC-1 transmitter to keep my old Hallicrafters Model S-38 company. If any one in the group might know where I might find one please send me an e-mail. I think this classic station would look great sitting next to my K1 & K2. (It would probably be almost as much fun to operate too...I said almost!!!)

Date: Sat, 26 Jan 2002 11:32:36 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <n4ey@arrl.net>,
        "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [118365] RE: SSB project
Message-ID: <001501c1a687$111e9fe0$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bill and Steve:

Good luck to you both on those nifty projects. My 20-M SSB xcvr is built around a new Ten-Tec 4-pole 9-MHz xtal filter that I found at a flea market for 50-cents.

The receiver section uses a grounded-gate JFET front-end, a 2-transistor dual-gate MOSFET balanced mixer, and a similar balanced dual-gate MOSFET product detector.

On the xmit side, the balanced modulator and transmit mixers use LM1496 Gilbert-cell doubly-balanced mixer chips. The tx PA stage is an International Rectifier VMOS FET.

The whole shebang (about 30 semiconductor's worth) works like a champ. The receiver is stable and sensitive, and the PA puts out about 1.5-W or so. Running from battery power, I've worked 78 countries on 20-M fone so far, using an open-wire fed doublet (150-ft long at a height of 65 ft.). QSOs include a number of ragchews, and even cracked a couple of pile-ups! :-)

I largely "borrowed" the changeover circuitry in the rig from the designs presented in "Solid State Design for The Radio Amateur." The 555-timer circuit I cobbled together works okay, but I experience a thump in the set's AGC when going from tx to rx, and see it as a jump on the set's S meter.

It's no big thing, but I'll have to fiddle with aspect of it's operation to improve it. (Right now I'm involved with restoring boat anchors, and am looking for a National HRO-50 or HRO-60 receiver--dead or alive. Anyone on the list have one for sale or swap?)

You can see my receiver section in an early stage of development on Peter Simpson's page at http://www.qsl.net/ka1axy/AI2Q/ai2q_20.htm. I don't have photos of the whole set on the Web, but Peter may some somewhere, as some were taken at ODIN in Portland, Maine two years ago.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Steve
Sent: Saturday, January 26, 2002 10:52 AM
To: Low Power Amateur Radio Discussion
Subject: Re: SSB project

Bill,

Thanks for sharing this. I'm building a 20M ssb/cw XCVR on an old Hallicrafters chassis using the crystal filter and the VFO L-C network but using an FET oscillator. Make do with what's available! Not for backpacking but comfortable for those of us with large hands!
73 de Steve N4EY

Bill Meara wrote:
>
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> guys would like to hear about my current project, a homebrew SSB rig for 17
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snip
> I had an old set of crystals from
> the filter and carrier oscillator in a Swan
> 240. The balanced modulator uses two diodes.

snip

> I have plenty of room, because I'm building this thing on the chassis of an

> old DX-40. I'll also use the front panel and cabinet from the old Heath.
>
> 73 de   Bill CU2JL (aka N2CQR)
> Sao Miguel Island
> The Azores, Portugal
> 37.7 N 25.6 W
> http://planeta.clix.pt/n2cqr

Date: Sat, 26 Jan 2002 13:23:35 EST
From: Gsdavis7070@cs.com
To: qrp-l@lehigh.edu
Subject: [118366] Qrp Trancievers for sale
Message-ID: <142.878f087.29844e27@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Red hot 20 with lots of up dates and the paper work to go with each up date. Power set at 5 watts out. Oweners manual included. I pay shipping $110.00 Small wonder labs 30 meter tranciever with 2n3553 final. Power out set at 1.5 watts.manual included. $ 70.00 I ship to you. Both these rigs guaranteed to perform correctly or I will refund and pay the shipping back to me. I'm selling them because they deserve a home where they will get some use as trancievers instead of book ends and shelf decorations. Feel free to email me with any questions. Gordy in omaha. Nw0y

---

Date: Sat, 26 Jan 2002 14:16:06 EST
From: IamSF5@aol.com
To: qrp-L@lehigh.edu
Cc: antennas@qth.net
Subject: [118367] Need antenna info
Message-ID: <36.223f3f61.29845a76@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Guys/Gals,
Can someone tell me what would be a good antenna for 80 through 15 meters and can be used with coax?
I have to use coax and that is a must because the management wants no wires near the edge of the roof where someone can trip and fall over the edge.
I can bury the coax under the stone thats on the roof and bring it over the edge and drop it down.

So far all I see on some sites say to use ladder line.
Any help is greatly appreciated.
Thanks
Bob
WA2HOQrp <tm>.......2 week old EXTRA

Date: Sat, 26 Jan 2002 13:29:04 -0600
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [118368] Re; Need antenna Info
Message-ID: <009401c1a69f$b79216a0$9902a8c0@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Go ahead and use the coax. It is unbalanced, but then you will need a balun... for a doublet antenna, a balun of 1:1 will suffice. If it is a folded dipole, the balun needs to be 4:1. There will be a mismatch in either case, but can be compensated for with a matching network.

Foxy
jfox6@houston.rr.com
http://www.qsl.net/w5hir

Date: Sat, 26 Jan 2002 18:36:37 -0200
From: "Bill Meara" <n2cqr@clix.pt>
To: "Steve" <n4ey@arrl.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
        "AI2Q Alex" <ai2q@adelphia.net>
Subject: [118369] Re: SSB project
Message-ID: <002201c1a6a9$2806c260$49de17c3@default>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve, Alex: Glad to hear that I'm not the only one building phone rigs. I started out with DSB rigs on 17. The current SSB project will be QRP, but I admit that one of my motivations for going SINGLE Sideband is a desire to be able to run a bit more power on occassion. I've made some nice friends on the band and like to ragchew. I'm 900 miles off the coast of Europe and sometimes with 3 watts DSB to a dipole I'm a bit hard to copy.   I wouldn't

really want to run any more power while using twice the necessary spectrum. So one sideband has to go.

I'm a firm believer in the use of VXOs especially above 10 Mhz. I've ordered the crystal for the hetrodyne oscillator (12.95 Mhz) but it won't be here for while. Today I explored the possibility of using a VFO instead of the VXO. Substituted a tuned LC circuit for the rock. Not pretty -- jumping all over the place. Back to VXO. I'll wait for the mailman. I hope I'll be able to get 20 Khz or so of shift.

As for the possibility of a QRO afterburner, I've been getting sticker shock from some of the available FET kits. 50 -60 bucks. So far the only money I've spent has been the 11 dollars for the crystal. Tonight, however, I got a thought: I'm building this QRP rig in a DX-40 case. Now,
 I have another DX-40 that actually works. It shouldn't be hard to get the driver and final in that thing to work in the linear mode.... SOMEBODY STOP ME PLEASE!!!!!!

73 de   Bill CU2JL (aka N2CQR)
Sao Miguel Island
The Azores, Portugal
37.7 N 25.6 W
http://planeta.clix.pt/n2cqr

Date: Sat, 26 Jan 2002 14:47:12 -0500
From: W2AGN <w2agn@pobox.com>
To: fpqrp-l@mpna.com, qrp-l@lehigh.edu
Subject: [118370] Hamvention URL?
Message-ID: <0201261447120B.04295@CC2289974-A>
Content-Type: text/plain;
  charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

I get nothing on the old http://www.hamvention.org site. Has the site moved or is it just temporarily down?
--

      John L Sielke   W2AGN
       w2agn@pobox.com
   http://www.qsl.net/w2agn
        Trustee: W3IYQ

Date: Sat, 26 Jan 2002 14:47:18 -0500
From: KKANALZ@prodigy.net
To: <jfox6@houston.rr.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118371] All-band (80-15M) antenna Info
Message-ID: <AA-95776EBF90E8A7A0A23DDDE8CE2857BC-ZZ@maillink1.prodigy.net>

If you *MUST* use coaxial cable, then an antenna that
will cover 80 through 15 meters can be a trap dipole
arrangement with a 1:1 balun at the center feedpoint.
Several companies make and sell such antennas in "kit"
form -- Alpha-Delta comes to mind (for one). Van
Gordon Engineering used to make them, but I don't know
if they are still in business.

If you're limited to relatively QRP power levels, you
can use RG-58 or RG-8X for the feedline to fit under
the roof tiles (RG-8 would be preferred for lower loss
but may not easily fit under roof tiles due to its
larger diameter).

Karl K - W8TIF
McKinney, Texas
--- Original Message ---
From: <jfox6@houston.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: Re; Need antenna Info

>Go ahead and use the coax. It is unbalanced, but
then you will need a
>balun... for a doublet antenna, a balun of 1:1 will
suffice. <snip>

Date: Sat, 26 Jan 2002 11:58:12 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [118372] CQ WW 160m contest, QRP
Message-ID: <MABBJOEABOILMKCJCLFCEEJFDAAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Worked the contest last night/this morning. What a blast.
I've been sort of poking at a QRP WAS on 160m, but never made a big deal of it.
With the new states I picked up overnight, now I'm at 35 states, and may have
to take it seriously. Working 160m from the SF Bay area is a challenge in itself, as anyone else you want to talk with is a long ways off. No nice well populated nearby states like back east. Course, on the other hand, we sort of like it that way :-)

I'll be back in there tonight, kicking and scratching with my K2. I set a contest goal of 150 QSOs, and I should make that, as I'm already up just over 125.
Wow, I wonder if 200 is possible. We'll see.

I'm using my new, improved vertical, and it actually is. Much better results than
in previous contests. Of course, the really good condx last night had something
to do with it. It feels great when a station in NJ can come back to a QRP call from CA.

Hope you will take the time to come out and play. Not a tough contest, and a
lot of fun QRP. The quality fo the operators out there is amazing, and the ears
have to be seen to be believed. ESP has to be alive and well on 160m.

Come on in. See you in the contest.
73, Bob N6WG
Newark, CA
on SF Bay

Date: Sat, 26 Jan 2002 15:40:23 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: qrp-l@Lehigh.EDU
Subject: [118373] Re: Power supply for K2
Message-ID: <OF93D39504.3F92EA70-ON85256B4D.006424B5@troy.pmifeg>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking at this option (and it's associated cost), I decided on a lower cost commercial solution and purchased a PowerSonic PSC-12500-A intelligent charger from Mouser for less than $40. This is a two stage

automatic charger designed for 12 v SLA batteries in the 2 - 10 Ah range. Higher initial charge rate followed by a low float charge that can be left on indefinitely. Form factor is a large "wall wart" with screw terminals, so you have to make up your own wire/connector leads as needed for your situation.

A simple solution and at a much lower cost, however I didn't get the pleasure of building it!

73,
Steve
aa8af

n4so@juno.com
Sent by: owner-qrp-l@Lehigh.EDU
01/26/2002 12:05 AM
Please respond to n4so

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc:
Subject: Power supply for K2

A PC board is available from FAR CIRCUITS, no longer available from Bob Lewis.

Tech. help is available from the author and designer.
rlewis@staff.net
Total cost of parts runs about $100 from Digi-Key.
I have built the charger and use it to power an Elecraft K1 and the NorCal 20.

Ken Brown-N4SO
Mobile, AL EM50tk
NorCal-20 at 5 watts/4 ele. yagi
Keylite Kit keyer

Date: Sat, 26 Jan 2002 13:43:56 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118374] Re: Hamvention URL?
Message-ID: <003901c1a6aa$2cd32210$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="Windows-1252"
Content-Transfer-Encoding: 8bit

Hmmm!

First went to google, it returned:

Dayton Hamvention - The Greatest Amateur Radio Convention ...
The Dayton Hamvention is the world's largest amateur trade show
Description: A complete reference site for the Dayton Hamvention.
Contains information on lodging, directions,...
Category: Recreation > Radio > Amateur > Events
www.hamvention.org/ - 2k - Cached - Similar pages

URL looked identical, so I clicked it. BANG right there, no problem.

MORAL: IF AT FIRST YOU DON'T SUCCEED TRY TRY AGAIN. ;-)

73, Rod N0RC
Ft Collins, CO

---original message---
Subject: Hamvention URL?
From: W2AGN (w2agn@pobox.com)
Date: Sat Jan 26 2002 - 14:47:12 EST

> I get nothing on the old http://www.hamvention.org site. Has the
site moved
> or is it just temporarily down?
> --
>   -------------------------
>   John L Sielke   W2AGN
>   w2agn@pobox.com
>   http://www.qsl.net/w2agn
>   Trustee: W3IYQ

Date: Sat, 26 Jan 2002 13:57:46 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Elecraft-list" <elecraft@mailman.qth.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118375] K1 knob mfg?
Message-ID: <004701c1a6ac$1b7dcea0$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Might anyone know who produces the K1 knobs? (both the large and
small)

I'm getting ready to build another NorCal 20 and thought the K1 knob
set would look good on the NC20. Or, perhaps the "mystery supplier"
has other offerings that would look cool.

73, Rod N0RC
Ft Collins, CO

Date: Sat, 26 Jan 2002 13:16:19 -0800 (PST)
From: Brad Mitchell <n8yg@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [118376] OT:CAD Software
Message-ID: <20020126211619.5624.qmail@web14704.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi All, I just wanted to make sure that you all know
about the really inexpensive Circuit board
design, and layout program that is available.
It's CADSOFT Eagle.
Maybe I'm last to know, but I downloaded this last
year, and finally got to use it now.
It's free for not for profit things, up to a 3x4 inch
board).
. Sounds great to me! Anyway, I used various packages
over the years,
and this was really really easy to learn.

Pads, (3 different versions, from free to Not
affordable as soon as you say I have a $bill in my
pocket).
Circad.. Oh my god! Yuck (Sorry Doug).
This is a great package for us cheap ham guys.
It also runs on Linux, if you like, and it even
supports scripting, which could be really cool if
you decided to do it for big boards.

Anyway,
here's the web page.
http://www.cadsoft.de/
No excuses now.
73 Brad N8YG

_____
Do You Yahoo!?
Great stuff seeking new owners in Yahoo! Auctions!
http://auctions.yahoo.com

Date: Sat, 26 Jan 2002 14:17:22 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <Schunn99@aol.com>
Cc: qrp-l <qrp-l@lehigh.edu>
Subject: [118377] Re: Morse code and cheap screwdriver antenna
Message-ID: <B87868DF.10D24%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Scott - I learned the Morse code so long ago I have forgetten exactly how I
did it. My mother helped as she had learned Morse in Girl Scouts. I don't
remember learning CW to get to 5 wpm to be that bad. However I do remember
how much of a struggle it was to go to 13 wpm from 5 wpm!!

If I had to learn the code from scratch today, I would use the Koch method.
Dave Finley, N1IRZ, has a description of it on his website

http://www.sdc.org/~finley/

and has published a book available through MFJ that describes the method.

The Koch method is ideally suited for computer learning. You learn at high

speed, 15 to 20 wpm.

You start with two characters; it doesn't matter which two. Copy these two characters at 15 to 20 wpm until you copy them with 90% accuracy. Then add another characer until you can copy the three at 90%. And so on until you have added all the characters.

Learning at high speeds prohibits one from making audible or sight associations in your head. You go to straight reflex, from the sound to the pen on paper.

When you are done you can copy at the same speed you learned at, which is high enough to be useful and interesting.

Koch was a German Psychologist who investigated a number of methods of learning Morse code in Germany prior to WW II. He found this method to be the best. If memory serves me correctly, he found out that a person with average skills could learn the Morse code with his technique in about 40 hours.

Dave has a list on his web site of computer programs that support the Koch method.

Whatever method you use, you must practice everyday. Practice when you don't feel like it, practice when you are sick, parctice when you are well, practice when you have other things to do, practice, practice, practice. Just set the goal to practice, don't set a time length, quit when you are tired. You will learn the code sooner than you think. It helps to have a friend to learn the code with; the friendly reivalry is good incentive.

This is a matter of training the ear, brain, and hand to work together. It is little diferent than learning other physical/mental skills like hitting a soft ball, riding a bicycle, playing music, flycasting, skeet shooting, cross country sking, and driving a car. Practice and good training are the keys to success. The Koch method is the good training, the practice is up to you. Different people have different physical and mental capabilities so it will take different times and different amounts of ability to learn the code for different people.

Good luck. Let me know when you upgrade so we can work on the air. We want you as a new CW op. You and others like you are the future of Ham Radio. - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
Cedar Crest, NM   DM65

Date: Sat, 26 Jan 2002 16:22:54 EST
From: IamSF5@aol.com
To: jfox6@houston.rr.com, qrp-l@lehigh.edu
Subject: [118378] Re: Re; Need antenna Info
Message-ID: <124.ac96f3b.2984782e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/26/02 2:27:12 PM Eastern Standard Time,
jfox6@houston.rr.com writes:

<< Go ahead and use the coax. It is unbalanced, but then you will need a
 balun... for a doublet antenna, a balun of 1:1 will suffice. If it is a
 folded dipole, the balun needs to be 4:1. There will be a mismatch in
 either case, but can be compensated for with a matching network.
  >>
Thanks Foxy,
I'll give that a try.
I have a MFJ Versa Turner # 2 that should do the job.
Have a great weekend.
Bob
WA2HOQrp <tm>

Date: Sat, 26 Jan 2002 15:20:26 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <IamSF5@aol.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [118379] Re: Need antenna info
Message-ID: <B87879BA.10D38%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bob - You could use balanced feeders and coax. Balanced feeders to balun,
balun to coax, coax under the stone at the edge of the roof, back to a
balun, back to balanced feeders, then to your tuner. As long as the run of
coax isn't too long, say under 20 feet, you shouldn't have too many losses,
assuming that you don't have lossy coax in the first place.

You might also try a large loop. These tend to have lower impedances than
doublets, so that the SWR is not so high and losses in the caox are not so
great. - Duffey
--
James R. Duffey KK6MC/5

Cedar Crest, NM   DM65

Date: Sat, 26 Jan 2002 18:11:41 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: FP List <fpqrp-l@mpna.com>, QRP-L <qrp-l@lehigh.edu>
Subject: [118380] CQ 160 Contest Tonight
Message-ID: <3C5337AD.6C9E3761@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Look for K4FB tonight on 160. A local ham does work for an AM broadcast station, and we're going to be using their 200' tower/antenna tonight after the station signs off the air.

Will be running my K2 with an external tuner.

I hope to hold a freq...so will be calling CQ, probably high in the band. Will look for other QRP stations on the 1/2 hour somewhere near 1.860. Have no idea if that will be a good freq or not.

73
Paul K4FB

Date: Sat, 26 Jan 2002 15:15:34 -0800
From: "David Castor" <dpcastor@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118381] Re: Morse code and cheap screwdriver antenna
Message-ID: <003101c1a6bf$5bd2f1c0$9260e10c@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just want to second this recommendation on using the Koch method, based on my own experience. I used this method about three years ago and it went quite well. I did it using a computer configured to sent random groups of letters. The program allowed selection of which letters would be used, speed, etc. I started with two letters at 18 WPM and gradually added letters. If I was doing it again, I'd start at about 22 WPM.

The only problem I had was moving from random letters to actual text. I

found myself losing concentration because I was trying to guess what the next letter would be. It took a while to work through this.

I practiced every morning and eventually passed the 20 WPM test on the first try.

I had learned code at 5 wpm about 35 years ago for my novice test, but the Koch method is much better, especially if you really want to use CW on the air.

Don't waste your time learning at 5 WPM.

Anyway, hope this helps.

Dave - K7EL

----- Original Message -----
From: "James R. Duffey" <jamesd1@flash.net>
> If I had to learn the code from scratch today, I would use the Koch method.
> Dave Finley, N1IRZ, has a description of it on his website
>
> http://www.sdc.org/~finley/
>

Date: Sat, 26 Jan 2002 18:53:12 -0500
From: "Kevin M." <adverseyaw@twmi.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118382] Harbor Freight 12" Shear/Brake
Message-ID: <000701c1a6c4$9d4db180$1a751d41@magnus>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,
I am now looking to buy a 12" shear from Harbor freight, after seeing how well Jim Kortge's works, but I can't find it on their website. Does anyone have the catalog number?
Thanks
Kevin, KC8SFJ
QRP-L #2366 - member since October/2001
--

AdverseYaw@twmi.rr.com   <-- My email address
AdverseYaw@bigfoot.com   <-- My forwarding address
Quote of the day--

 All men are equal; it is not birth, but virtue alone, that makes the
difference.   - Voltaire

End of QRP-L Digest 2447
****